

METHOD AND APPARATUS FOR OVERCOMING LARGE TRANSPORT
DELAYS BETWEEN MASTER AND SLAVE UTOPIA DEVICES

5 ABSTRACT OF THE DISCLOSURE

10 A system for communicating information includes a
master UTOPIA device having a receive transfer controller
operable to control reception of data by the master UTOPIA
device and a transmit transfer controller operable to
15 control transmission of data from the ATM switch. The
system also includes a slave UTOPIA device having at least
one memory area. The slave UTOPIA device includes a
receive poll controller operable to determine whether the
memory area is available to transmit data for receipt by
20 the master UTOPIA device and further operable to
communicate the result of the determination to the receive
transfer controller. The slave UTOPIA device also includes
a transmit poll controller operable to determine whether
the memory area is available for receiving data to be
transmitted by the master UTOPIA device and further
operable to communicate the result of the determination to
the transmit transfer controller.